



Database Management Roadmap

Brock Smith | Manager, Database Administration

The Goal for Database Administration is to provide to the Campus Community an enhanced Database Service that enables UBC to implement the systems, technologies, and services desired in a robust, efficient and reliable manner. This will be done by providing a centralized database service that is available to the organizations/groups/individuals that require database services. It will do so by taking advantage of the Virtual Systems Service, related infrastructure and the evolved growth and sophistication of the other UBC IT units such as the IT Service Centre. The services provided by Database Administration will be robust (in that it will be able to maintain uptime in the face of maintenance windows) but also highly available, when appropriate, multiple instances of the same database will be concurrently available to accommodate load or failure of a particular component in the service stream.

With the implementation of succession planning, ongoing training and the deployment of a Microsoft SQL/MySQL team, the Database Administration unit will have expertise in the three technology areas offered and will be able to offer this to the campus community. The Database Administration unit during the period under consideration will also explore technical alternatives to identify and deploy, where possible, credible competing technologies to improve existing services and/or replace existing technologies.

Year	Milestones
2010	Migration of SIS and WebCT databases to a virtual server platform; Training for Oracle 11G Deployment/upgrades.
2011	Migration of Finance and HR database systems to virtual platform; MS SQL MySQL DB Service; Onset of Application DBA program; Research tools/technology for High Availability service
2012	Oracle 2-Tier hosting rollout; Research/Plan “cloud” based DB Provisioning; Dynamic DB deployment planning/Web-site creation; Research tools/technology for High Availability MS SQL/MySQL Hosting; Enhance Application DBA Program
2013	Upgrade of core DB systems; “cloud” based provisioning to include MSSQL/MySQL Business Continuity; App DBA Training/Certificate program
2014	RFP/I for best of breed DB technologies; Deploy Second phase of technologies for High availability; Selection and deployment of tools for Database self provisioning

